

#4



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Abe, et al.

Art Unit : 1632

Serial No. : 09/989,975

Examiner : Unknown

Filed : November 21, 2001

Title : NUCLEIC ACIDS, EXPRESSION VECTORS AND HOST CELLS FOR  
MAKING CHIMERIC NUCLEIC ACIDS AND METHODS FOR PRODUCING  
IMMOBILIZED POLYPEPTIDES

BOX IDS

U.S. Patent and Trademark Office

Arlington, VA 22202

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed.

This statement is being filed before the receipt of a first Office action on the merits.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: April 30, 2002

Mi K. Kim  
Mi K. Kim  
Reg. No. 44,830

Fish & Richardson P.C.  
4350 La Jolla Village Drive, Suite 500  
San Diego, California 92122  
Telephone: (858) 678-5070  
Facsimile: (858) 678-5099

10179388.doc

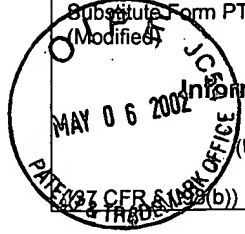
CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202.

Date of Deposit April 30, 2002

Signature Lauren Bisher

Typed or Printed Name of Person Signing Certificate  
Lauren Bisher

Substitute Form PTO-1449 (Modified)  Information Disclosure Statement by Applicant (Use several sheets if necessary) 37 CFR 1.121(b)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13558-004001	Application No. 09/989,975
	Applicant Abe, et al.		
	Filing Date November 21, 2001	Group Art Unit 1632	

## U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate

## Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	BA	WO 98/11247	19 Mar 1998	PCT			X (Abstract Only)	
	BB	WO 98/01234	15 Jan 1998	PCT				

## Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	CA	Boder et al., "Yeast surface display for screening combinatorial polypeptide libraries", <u>Nature Biotechnology</u> , Vol. 15, (1997), pp. 553-557
	CB	Endo et al., "Large-scale production of the carbohydrate portion of the sialyl-Tn epitope, $\alpha$ -Neup5Ac-(2→6)-D-GalpNAc, through bacterial coupling", <u>Carbohydrate Research</u> , 330 (2001) 439-443
	CC	Endo et al., "Large-scale production of CMP-NeuAc and sialylated oligosaccharides through bacterial coupling", <u>Appl Microbiol Biotechnol</u> (2000) 53:257-261
	CD	Endo et al., "Large-scale production of N-acetylglucosamine through bacterial coupling", <u>Carbohydrate Research</u> , 316 (1999) 179-183
	CE	Koizumi et al., "Large-scale production of UDP-galactose and globotriose by coupling metabolically engineered bacteria", <u>Nature Biotechnology</u> , Vol. 16, (1998), pp. 847-850
	CF	Moukadiri et al., "Identification of Two Mannoproteins Released from Cell Walls of a <i>Saccharomyces cerevisiae</i> <i>mnn1 mnn9</i> Double Mutant by Reducing Agents", <u>Journal of Bacteriology</u> , (1999), pp. 4741-4745
	CG	Murai et al., "Construction of a Starch-Utilizing Yeast by Cell Surface Engineering", <u>Applied and Environmental Microbiology</u> , (1997) pp. 1362-1366
	CH	Schreuder et al., "Immobilizing proteins on the surface of yeast cells", <u>Focus</u> , 1996, Vol. 14, pp. 115-120
	CI	Schreuder et al., "Targeting of a Heterologous Protein to the Cell Wall of <i>Saccharomyces cerevisiae</i> ", <u>Yeast</u> , Vol. 9:399-409 (1993)
	CJ	Shibasaki et al., "Quantitative evaluation of the enhanced green fluorescent protein displayed on the cell surface of <i>Saccharomyces cerevisiae</i> by fluorometric and confocal laser scanning microscopic analyses", <u>Appl Microbiol Biotechnol</u> , (2001) 55:471-475
	CK	Zou et al., "Establishment of a simple system to analyse the molecular interaction in the agglutination of <i>Saccharomyces cerevisiae</i> ", <u>Yeast</u> , 2000, 16:995-1000

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	